

Title (en)

MEMORY POWER SAVINGS IN IDLE DISPLAY CASE

Title (de)

SPEICHERLEISTUNGSEINSPARUNGEN IN LEERLAUFANZEIGEGERÄTE

Title (fr)

ECONOMIES D'ÉNERGIE DE MÉMOIRE DANS LE CAS D'UN AFFICHAGE EN VEILLE

Publication

**EP 2994825 A1 20160316 (EN)**

Application

**EP 14726041 A 20140403**

Priority

- US 201313890306 A 20130509
- US 2014032811 W 20140403

Abstract (en)

[origin: US2014337649A1] In an embodiment, a system includes a memory controller that includes a memory cache and a display controller configured to control a display. The system may be configured to detect that the images being displayed are essentially static, and may be configured to cause the display controller to request allocation in the memory cache for source frame buffer data. In some embodiments, the system may also alter power management configuration in the memory cache to prevent the memory cache from shutting down or reducing its effective size during the idle screen case, so that the frame buffer data may remain cached. During times that the display is dynamically changing, the frame buffer data may not be cached in the memory cache and the power management configuration may permit the shutting down/size reduction in the memory cache.

IPC 8 full level

**G06F 3/14** (2006.01); **G09G 5/00** (2006.01); **G09G 5/393** (2006.01); **G09G 5/395** (2006.01)

CPC (source: EP KR US)

**G06F 1/3218** (2013.01 - KR US); **G06F 1/3275** (2013.01 - US); **G06F 1/3287** (2013.01 - US); **G06F 3/14** (2013.01 - EP KR US); **G06F 12/0873** (2013.01 - US); **G09G 5/001** (2013.01 - EP KR US); **G09G 5/393** (2013.01 - EP KR US); **G09G 5/395** (2013.01 - EP KR US); **G06F 2212/455** (2013.01 - US); **G09G 2330/02** (2013.01 - EP KR US); **G09G 2330/021** (2013.01 - EP KR US); **G09G 2360/121** (2013.01 - EP KR US); **Y02D 10/00** (2017.12 - EP)

Citation (search report)

See references of WO 2014182393A1

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

**US 2014337649 A1 20141113**; **US 9261939 B2 20160216**; CN 105190531 A 20151223; CN 105190531 B 20180209; CN 108196809 A 20180622; CN 108196809 B 20210212; EP 2994825 A1 20160316; EP 2994825 B1 20180117; EP 3309674 A1 20180418; EP 3309674 B1 20230111; JP 2016524745 A 20160818; JP 6072358 B2 20170201; KR 101773175 B1 20170830; KR 101862275 B1 20180705; KR 20160006758 A 20160119; KR 20170101320 A 20170905; TW 201502763 A 20150116; TW I528169 B 20160401; US 10310586 B2 20190604; US 2016116969 A1 20160428; WO 2014182393 A1 20141113

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